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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

MEMORANDUM

TO: Charles Dispoto, OSC, U.S. EPA, Region III PCS# 1177
THRU: Richard Habrukowich, TATL, Region III *(R)*
FROM: Mike Wilson, TATM, Region III *(R)*
SUBJECT: Eastern Diversified Metals Trip Report
DATE: July 31, 1987

285184
(Rev)

Chronology

On April 22, 1987, TATMs Michael Wilson, Marc Lucca and Sam Kennedy assisted Francisco Barba, EPA CERCLA Enforcement, with an assessment of the Eastern Diversified Metals NPL Site in Hometown, Schuylkill County, PA.

At approximately 1000 hours on April 22, 1987, TAT met EPA CERCLA Enforcement (Barba), PADER (Gary Schaefer), and representatives from the PRP Consultant (Theresa C. Juhn and Kerry Tyson).

TAT arrived onsite at 1020 hours. TAT estimated the pile of waste plastic insulation material to be approximately 3,200 to 4,000 feet in length, 500 to 700 feet in width, and 50 to 70 feet in height. The estimated volume of waste material stored at the site is 150,000,000 lbs.

TAT observed three major active leachate seeps, all from the southern slope of the waste pile. All leachate and surface water were observed to be running into a holding lagoon at the western end of the site. TAT was informed that the lagoon was lined with 40 mil PVC liner material. Diversion ditches were observed along the entire northern length of the waste pile, and were channeling surface water around the pile and into the water treatment plant west and downslope of the holding lagoon.

TAT set up four (4) air monitoring stations near the waste pile to determine if any hazardous chemicals from the leachate were present. TAT also sampled the nearby stream, located south of the waste pile. TAT observed evidence of motorbike riding on the waste piles, and campfires just on the other side of the stream.

AR100014

Roy F. Weston, Inc.

SPILL PREVENTION & EMERGENCY RESPONSE DIVISION

In Association with ICF Technology Inc., C.C. Johnson & Associates, Inc., Resource Applications, Inc., Geo/Resource Consultants, Inc., and Environmental Toxicology International, Inc.

Diversified Metals Trip Report
July 31, 1987
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Sampling stations were as follows:

<u>STATION #</u>	<u>LOCATION</u>	<u>MATRIX</u>
AS-1	Main Leachate Seep	Air
AS-2	Downwind of Lagoon	Air
AS-3	Southwest end of Site	Air
AS-4	Northwest end of Site	Air
SW01	Downstream of Site	Water
SW02	Upstream of Site	Water
LS01	Main Leachate Sediment	Sediment
LW01	Main Leachate Seep	Water

ORIGINAL
(Red)

Other Observations

TAT observed signs of past overflows from the holding lagoon along the southern spillway and into the adjacent stream. Due to concerns about the design of the holding lagoon, TAT requested a copy of the PADER-approved specification plans for the lagoon and treatment plant. The purpose was to review the ability of the entire system to channel, hold and treat surface waters onsite resulting from a 100-year flood.

Conclusions

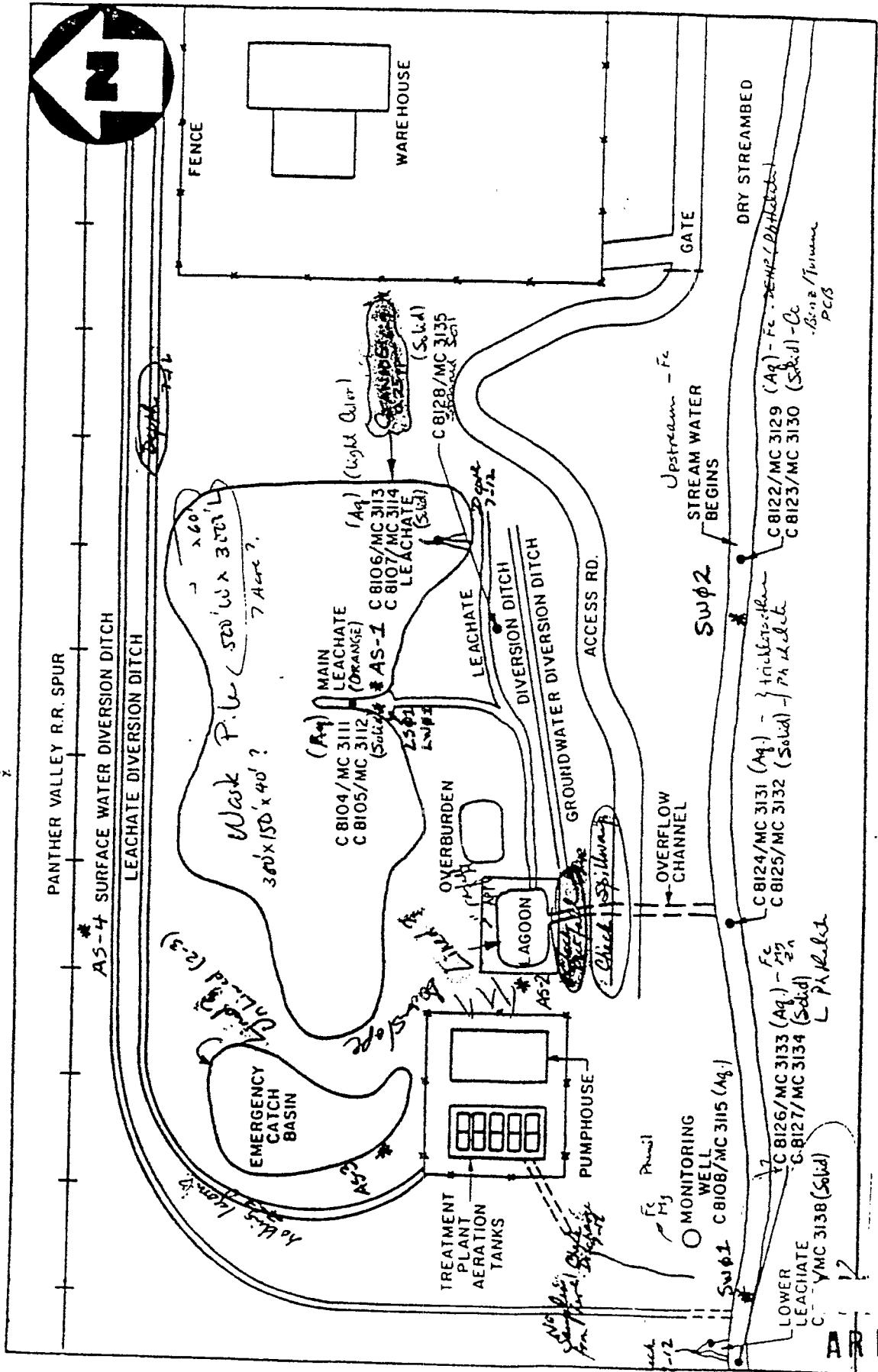
Due to evidence of trespassing on the site, and the potential for direct contact with the leachate seeps, it is recommended that access to the site be restricted through the installation of fencing and upgrading of present site security measures.

Based on the results from the air monitoring performed, it appears that the odors from the leachate are of a nuisance type, and pose no threat to public health if access to the site is restricted.

MW/djt

Attachment: Sampling Results

AR100015





SHEET ____ of ____

CLIENT/SUBJECT EPA / E. D. Metal's W.O. NO. _____TASK DESCRIPTION Lab Results (Waters) TASK NO. 1127PREPARED BY RD DEPT TAT DATE 5/22 APPROVED BY _____

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____ DEPT _____ DATE _____

CH212 - upstream - All BDL

CH213 - downstream - All BDL

CH219

ORIGINAL
(2nd)

AR100017

Conversion Formula of laboratory results for air samples taken at
Eastern Diversified Metals in Hometown, Schuylkill Co., PA.

$$\frac{\text{Lab results (Total mg)}}{\text{Volume of air (liters)}} \times \frac{1 \text{ liter}}{1,000 \text{ cc}} \times \frac{1,000,000 \text{ cubic cm (cc)}}{1 \text{ cubic meter}}$$

This formula converts the lab results from total milligrams to
milligrams per cubic meter.

ORIGINAL
(Red)

ART00018

Part \ of

Log in Date: 27-APR-87

Job No.: 40714-17

TAT calculations from mg
Special Instr: CASE 2896C: REGION III: 21 DAY TURN
P.O.No.: ALL SAS
Tel No.: (703) 557-2470 into mg/m³ performed by S.

Analyses Requested		Methylene Chloride			D-Dioxane			Ethylene Dichloride			Methyl Ethyl Ketone		
Lab Number	Sample Description	Air Vol.	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	
541577	CH 214 APR228701	<0.003	(mg/m ³)	(mg/m ³)	<0.016	(mg/m ³)	(mg/m ³)	<0.024	(mg/m ³)	<0.016	(mg/m ³)	<0.004	(0.048)
541578	CH 215 APR228702	<0.003	(mg/m ³)	(mg/m ³)	<0.016	(mg/m ³)	(mg/m ³)	<0.024	(mg/m ³)	<0.016	(mg/m ³)	<0.004	(0.048)
541579	CH 216 APR228703	<0.003	(mg/m ³)	(mg/m ³)	<0.016	(mg/m ³)	(mg/m ³)	<0.024	(mg/m ³)	<0.016	(mg/m ³)	<0.004	(0.048)
541580	CH 217 APR228704	<0.003	(mg/m ³)	(mg/m ³)	<0.016	(mg/m ³)	(mg/m ³)	<0.024	(mg/m ³)	<0.016	(mg/m ³)	<0.004	(0.048)
541581	CH 251 APR2287 TRIP BLANK	<0.003	(mg/m ³)	(mg/m ³)	<0.016	(mg/m ³)	(mg/m ³)	<0.024	(mg/m ³)	<0.016	(mg/m ³)	<0.004	(0.048)
541582	CH 267 APR2287 UT-1 SPIKE												
541583	CH 268 APR2287 UT-2 SPIKE												
541584	C 4313 APR2287 BLANK	<0.003	(mg/m ³)	(mg/m ³)	<0.016	(mg/m ³)	(mg/m ³)	<0.024	(mg/m ³)	<0.016	(mg/m ³)	<0.004	(0.048)
Comments:													
Analyst: -1 amara added													
Date Comp: 5/11/87													
Q.C. Blank:													
Q.C.1: 98% at 13.34g													
Q.C.2: not available													
Method: P1 C&H 107													
L.O.D.: 0.003 mg													
0.003 mg 0.004 mg													

047

SAS 2896C-013-08

 Charged
 Approved

080482 JF

VH-64514

Media: CHARCOAL TUBES
Special Instr: CASE 2896C; REGION III; 21 DAY TURN
Log in Date: 27-APR-87
Job No.: 40714-17 TAT calculations performed
P.O.No.: ALL SAS by Sam Kennedy
Tel No.: 67021 557-2400

Log in Date: 27-APR-87

Analyses Requested		Styrene		Tetrachloro- ethylene		1,1,2-Trichloro- ethane		1,1,1-Trichloro- ethane	
Lab Number	Sample Description	Air Vol.	Units	TOTPC (mg/m^3)	TOTL (mg/m^3)	TOTAL (mg/m^3)	TOTAL (mg/m^3)	Units	Units
541577	CH 214 APR228701	<0.0016	(mg/m^3)	<0.033	<0.003	<0.036	<0.003	<0.016	(mg/m^3)
541578	CH 215 APR228702	<0.0016	(mg/m^3)	<0.033	<0.003	<0.036	<0.003	<0.016	(mg/m^3)
541579	CH 216 APR228703	<0.0016	(mg/m^3)	<0.033	<0.003	<0.036	<0.003	<0.016	(mg/m^3)
541580	CH 217 APR228704	<0.0016	(mg/m^3)	<0.033	<0.003	<0.036	<0.003	<0.016	(mg/m^3)
541581	CH 251 APR2287 TRIP BLANK	<0.0016	(mg/m^3)	<0.033	<0.003	<0.036	<0.003	<0.016	(mg/m^3)
541582	CH 267 APR2287 UT-1 SPIKE								
541583	CH 268 APR2287 UT-2 SPIKE								
541584	C 4313 APR2287 BLANK	<0.0016	(mg/m^3)	<0.033	<0.003	<0.036	<0.003	<0.016	(mg/m^3)
Comments: <i>Janura Chinnallal</i>									
0021	Analyst:	5/17/87							
0021	Date Comp:								
0021	O.C. Blank:								
0021	O.C. 1:	31% at 9.01ug		101% at 16.23	100% at 14.35ug	105% at 13.38ug			
0021	O.C. 2:	blank		not corrected	not corrected	not corrected			
0021	Method:	PA-CAT 127							
0021	L.O.D.:	0.0006 mg		0.003 mg	0.003 mg	0.003 mg			

Approved
Charge

080482
84

048

Special Instr: CASE 2896C; REGION 1111.21 DAY TURN

Job No.: 40714-17
P.O. No.: All SAS

TAT calculations from ms 10 ms/m
performed by Samuel K. Kennedy

Comments.

049

Charged
Approved

080482

Alexandria,

VA 22314

Log in Date: 27-APR-37
 Job No.: 40714-17 TAT calculations from ms/m
 Media: CHARCOAL TUBES
 Special Instr: CASE 2896C: REGION III; 21 DAY TUE
 Tel No.: (703) 557-2490

part of
 TAT calculations from ms/m
 performed by Samuel K. Kennedy

Analyses Requested			F-Cichlorobenzene m-Chlorobenzene			Total Dichlorobenzene		
Lab Number	Sample Description	Air Vol.	Units	Units	Units	Units	Units	Units
541577	CH 214 APR228701	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541578	CH 215 APR228702	<0.016	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541579	CH 216 APR228703	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541580	CH 217 APR228704	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541581	CH 251 APR2287 TRIP BLANK	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541582	CH 267 APR2287 UT-1 SPIKE	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541583	CH 268 APR2287 UT-2 SPIKE	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
541584	CH 4313 APR2287 BLANK	<0.003	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
Comments: R								
		Analyst:	D. Hall					
		Date Comp:	5/7/87					
		O.C. Blank:	100023					
		Q.C.1:	80% at 12.4ug		84% at 12.88ug average			
		Q.C.2:	Corrected		Corrected			
		Method:	PCP/127		PCP/127			
		L.O.D.:	0.003 mg		0.009 mg			

SAS 2896C-013-05

Charged
 Approved

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 JF